

| L Number | Hits | Search Text   | DB   | Time stamp          |
|----------|------|---|--|---------------------|
| 11       | 1    | (direction with (sound or acoustic or noise or audio)) and ((array or matrix) with microphone) and (frequency with direction) and (frequency with (analysis or analyze or analyzing or analyzer)) and (average with direction) and (angular with direction)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | 2003/09/01<br>14:40 |
| 12       | 15   | koichiro with mizushima   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | 2003/09/01<br>15:35 |
| 13       | 100  | ((("5986971") or ("6198693") or ("4755973") or ("5914912") or ("6009396") or ("6172641") or ("6504490") or ("5982766") or ("5319715") or ("5465302") or ("5579432") or ("4244026") or ("4283629") or ("4349699") or ("4389892") or ("4543648") or ("4777958") or ("4810459") or ("4903590") or ("5236052") or ("H001357") or ("5404406") or ("5421342") or ("5490515") or ("5563954") or ("5594494") or ("5691957") or ("5828756") or ("5875246") or ("5907624") or ("5909646") or ("5911170") or ("5987142") or ("5997439") or ("6018494") or ("6039472") or ("6092126") or ("6131017") or ("6139507") or ("6208949") or ("6312393") or ("6317501") or ("6430528") or ("5444443") or ("5532974") or ("5780745") or ("4413177") or ("4427878") or ("4523473") or ("4591864") or ("4757544") or ("4811405") or ("RE33228") or ("4972838") or ("5009232") or ("5261006") or ("5303043") or ("5349334") or ("5861978") or ("5903379") or ("6181472") or ("5610986") or ("5440639") or ("4805622") or ("5253486") or ("5311321") or ("5323166") or ("5602926") or ("5684278") or ("5905464") or ("6246772") or ("4279027") or ("4348750") or ("4378722") or ("4486742") or ("4503930") or ("4509669") or ("4557175") or ("4558439") or ("4609135") or ("5005511") or ("5247895") or ("5305386") or ("5596644") or ("5617026") or ("5630724") or ("5678364") or ("5696831") or ("5710818") or ("5717767") or ("5761314") or ("5796843") or ("5802180") or ("5828997") or ("5834647") or ("5844816") or ("5959597") or ("6002776") or ("6069585") or ("6118875")).PN.) not((((("5189425") or ("5878367")).PN.)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT | 2003/09/01<br>15:39 |

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| 14 | 227 | (koichiro with mizushima) or<br>(((("5189425") or ("5878367")).PN.) or<br>(((("4893289") or ("4208735")).PN.) or<br>(((("5986971") or ("6198693") or<br>("4755973") or ("5914912") or ("6009396")<br>or ("6172641") or ("6504490") or<br>("5982766") or ("5319715") or ("5465302")<br>or ("5579432") or ("4244026") or<br>("4283629") or ("4349699") or ("4389892")<br>or ("4543648") or ("4777958") or<br>("4810459") or ("4903590") or ("5236052")<br>or ("H001357") or ("5404406") or<br>("5421342") or ("5490515") or ("5563954")<br>or ("5594494") or ("5691957") or<br>("5828756") or ("5875246") or ("5907624")<br>or ("5909646") or ("5911170") or<br>("5987142") or ("5997439") or ("6018494")<br>or ("6039472") or ("6092126") or<br>("6131017") or ("6139507") or ("6208949")<br>or ("6312393") or ("6317501") or<br>("6430528") or ("5444443") or ("5532974")<br>or ("5780745") or ("4413177") or<br>("4427878") or ("4523473") or ("4591864")<br>or ("4757544") or ("4811405") or<br>("RE33228") or ("4972838") or ("5009232")<br>or ("5261006") or ("5303043") or<br>("5349334") or ("5861978") or ("5903379")<br>or ("6181472") or ("5610986") or<br>("5440639") or ("4805622") or ("5253486")<br>or ("5311321") or ("5323166") or<br>("5602926") or ("5684278") or ("5905464")<br>or ("6246772") or ("4279027") or<br>("4348750") or ("4378722") or ("4486742")<br>or ("4503930") or ("4509669") or<br>("4557175") or ("4558439") or ("4609135")<br>or ("5005511") or ("5247895") or<br>("5305386") or ("5596644") or ("5617026")<br>or ("5630724") or ("5678364") or<br>("5696831") or ("5710818") or ("5717767")<br>or ("5761314") or ("5796843") or<br>("5802180") or ("5828997") or ("5834647")<br>or ("5844816") or ("5959597") or<br>("6002776") or ("6069585") or<br>("6118875")).PN.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:40 |
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| 16 | 6 | ((koichiro with mizushima) or<br>(((("5189425") or ("5878367")).PN.) or<br>(((("4893289") or ("4208735")).PN.) or<br>(((("5986971") or ("6198693") or<br>("4755973") or ("5914912") or ("6009396")<br>or ("6172641") or ("6504490") or<br>("5982766") or ("5319715") or ("5465302")<br>or ("5579432") or ("4244026") or<br>("4283629") or ("4349699") or ("4389892")<br>or ("4543648") or ("4777958") or<br>("4810459") or ("4903590") or ("5236052")<br>or ("H001357") or ("5404406") or<br>("5421342") or ("5490515") or ("5563954")<br>or ("5594494") or ("5691957") or<br>("5828756") or ("5875246") or ("5907624")<br>or ("5909646") or ("5911170") or<br>("5987142") or ("5997439") or ("6018494")<br>or ("6039472") or ("6092126") or<br>("6131017") or ("6139507") or ("6208949")<br>or ("6312393") or ("6317501") or<br>("6430528") or ("5444443") or ("5532974")<br>or ("5780745") or ("4413177") or<br>("4427878") or ("4523473") or ("4591864")<br>or ("4757544") or ("4811405") or<br>("RE33228") or ("4972838") or ("5009232")<br>or ("5261006") or ("5303043") or<br>("5349334") or ("5861978") or ("5903379")<br>or ("6181472") or ("5610986") or<br>("5440639") or ("4805622") or ("5253486")<br>or ("5311321") or ("5323166") or<br>("5602926") or ("5684278") or ("5905464")<br>or ("6246772") or ("4279027") or<br>("4348750") or ("4378722") or ("4486742")<br>or ("4503930") or ("4509669") or<br>("4557175") or ("4558439") or ("4609135")<br>or ("5005511") or ("5247895") or<br>("5305386") or ("5596644") or ("5617026")<br>or ("5630724") or ("5678364") or<br>("5696831") or ("5710818") or ("5717767")<br>or ("5761314") or ("5796843") or<br>("5802180") or ("5828997") or ("5834647")<br>or ("5844816") or ("5959597") or<br>("6002776") or ("6069585") or<br>("6118875")).PN.)) and (direction with<br>(sound or acoustic or noise or audio))<br>and microphone and frequency and (average<br>with direction) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:41 |
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| 17 | 4 | ((koichiro with mizushima) or<br>(((("5189425") or ("5878367")).PN.) or<br>(((("4893289") or ("4208735")).PN.) or<br>(((("5986971") or ("6198693") or<br>("4755973") or ("5914912") or ("6009396")<br>or ("6172641") or ("6504490") or<br>("5982766") or ("5319715") or ("5465302")<br>or ("5579432") or ("4244026") or<br>("4283629") or ("4349699") or ("4389892")<br>or ("4543648") or ("4777958") or<br>("4810459") or ("4903590") or ("5236052")<br>or ("H001357") or ("5404406") or<br>("5421342") or ("5490515") or ("5563954")<br>or ("5594494") or ("5691957") or<br>("5828756") or ("5875246") or ("5907624")<br>or ("5909646") or ("5911170") or<br>("5987142") or ("5997439") or ("6018494")<br>or ("6039472") or ("6092126") or<br>("6131017") or ("6139507") or ("6208949")<br>or ("6312393") or ("6317501") or<br>("6430528") or ("5444443") or ("5532974")<br>or ("5780745") or ("4413177") or<br>("4427878") or ("4523473") or ("4591864")<br>or ("4757544") or ("4811405") or<br>("RE33228") or ("4972838") or ("5009232")<br>or ("5261006") or ("5303043") or<br>("5349334") or ("5861978") or ("5903379")<br>or ("6181472") or ("5610986") or<br>("5440639") or ("4805622") or ("5253486")<br>or ("5311321") or ("5323166") or<br>("5602926") or ("5684278") or ("5905464")<br>or ("6246772") or ("4279027") or<br>("4348750") or ("4378722") or ("4486742")<br>or ("4503930") or ("4509669") or<br>("4557175") or ("4558439") or ("4609135")<br>or ("5005511") or ("5247895") or<br>("5305386") or ("5596644") or ("5617026")<br>or ("5630724") or ("5678364") or<br>("5696831") or ("5710818") or ("5717767")<br>or ("5761314") or ("5796843") or<br>("5802180") or ("5828997") or ("5834647")<br>or ("5844816") or ("5959597") or<br>("6002776") or ("6069585") or<br>("6118875")).PN.)) and (direction with<br>(sound or acoustic or noise or audio))<br>and ((array or matrix) with microphone)<br>and (frequency with direction) and<br>(average with direction) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:41 |
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| 21 | 3 | ((koichiro with mizushima) or<br>(((("5189425") or ("5878367")).PN.) or<br>(((("4893289") or ("4208735")).PN.) or<br>(((("5986971") or ("6198693") or<br>("4755973") or ("5914912") or ("6009396")<br>or ("6172641") or ("6504490") or<br>("5982766") or ("5319715") or ("5465302")<br>or ("5579432") or ("4244026") or<br>("4283629") or ("4349699") or ("4389892")<br>or ("4543648") or ("4777958") or<br>("4810459") or ("4903590") or ("5236052")<br>or ("H001357") or ("5404406") or<br>("5421342") or ("5490515") or ("5563954")<br>or ("5594494") or ("5691957") or<br>("5828756") or ("5875246") or ("5907624")<br>or ("5909646") or ("5911170") or<br>("5987142") or ("5997439") or ("6018494")<br>or ("6039472") or ("6092126") or<br>("6131017") or ("6139507") or ("6208949")<br>or ("6312393") or ("6317501") or<br>("6430528") or ("5444443") or ("5532974")<br>or ("5780745") or ("4413177") or<br>("4427878") or ("4523473") or ("4591864")<br>or ("4757544") or ("4811405") or<br>("RE33228") or ("4972838") or ("5009232")<br>or ("5261006") or ("5303043") or<br>("5349334") or ("5861978") or ("5903379")<br>or ("6181472") or ("5610986") or<br>("5440639") or ("4805622") or ("5253486")<br>or ("5311321") or ("5323166") or<br>("5602926") or ("5684278") or ("5905464")<br>or ("6246772") or ("4279027") or<br>("4348750") or ("4378722") or ("4486742")<br>or ("4503930") or ("4509669") or<br>("4557175") or ("4558439") or ("4609135")<br>or ("5005511") or ("5247895") or<br>("5305386") or ("5596644") or ("5617026")<br>or ("5630724") or ("5678364") or<br>("5696831") or ("5710818") or ("5717767")<br>or ("5761314") or ("5796843") or<br>("5802180") or ("5828997") or ("5834647")<br>or ("5844816") or ("5959597") or<br>("6002776") or ("6069585") or<br>("6118875")).PN.)) and ((direction with<br>(sound or acoustic or noise or audio))<br>same ((array or matrix) with microphone)<br>same (frequency with direction) same<br>(average with direction)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:43 |
| 22 | 5 | (direction with (sound or acoustic or<br>noise or audio)) and ((array or matrix)<br>with microphone) and (frequency with<br>direction) and (frequency with (analysis<br>or analyze or analyzing or analyzer)) and<br>(average with direction)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:43 |

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| 23 | 12 | ((koichiro with mizushima) or<br>(((("5189425") or ("5878367")).PN.) or<br>(((("4893289") or ("4208735")).PN.) or<br>(((("5986971") or ("6198693") or<br>("4755973") or ("5914912") or ("6009396")<br>or ("6172641") or ("6504490") or<br>("5982766") or ("5319715") or ("5465302")<br>or ("5579432") or ("4244026") or<br>("4283629") or ("4349699") or ("4389892")<br>or ("4543648") or ("4777958") or<br>("4810459") or ("4903590") or ("5236052")<br>or ("H001357") or ("5404406") or<br>("5421342") or ("5490515") or ("5563954")<br>or ("5594494") or ("5691957") or<br>("5828756") or ("5875246") or ("5907624")<br>or ("5909646") or ("5911170") or<br>("5987142") or ("5997439") or ("6018494")<br>or ("6039472") or ("6092126") or<br>("6131017") or ("6139507") or ("6208949")<br>or ("6312393") or ("6317501") or<br>("6430528") or ("5444443") or ("5532974")<br>or ("5780745") or ("4413177") or<br>("4427878") or ("4523473") or ("4591864")<br>or ("4757544") or ("4811405") or<br>("RE33228") or ("4972838") or ("5009232")<br>or ("5261006") or ("5303043") or<br>("5349334") or ("5861978") or ("5903379")<br>or ("6181472") or ("5610986") or<br>("5440639") or ("4805622") or ("5253486")<br>or ("5311321") or ("5323166") or<br>("5602926") or ("5684278") or ("5905464")<br>or ("6246772") or ("4279027") or<br>("4348750") or ("4378722") or ("4486742")<br>or ("4503930") or ("4509669") or<br>("4557175") or ("4558439") or ("4609135")<br>or ("5005511") or ("5247895") or<br>("5305386") or ("5596644") or ("5617026")<br>or ("5630724") or ("5678364") or<br>("5696831") or ("5710818") or ("5717767")<br>or ("5761314") or ("5796843") or<br>("5802180") or ("5828997") or ("5834647")<br>or ("5844816") or ("5959597") or<br>("6002776") or ("6069585") or<br>("6118875")).PN.)) and (direction with<br>(sound or acoustic or noise or audio))<br>and ((array or matrix) with microphone)<br>and (frequency with direction) (frquency<br>with (analysis or analyze or analyzing or<br>analyzer)) and (average with direction) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/09/01<br>15:44 |
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